

DEPARTMENT OF REGULATORY AND ECONOMIC RESOURCES (RER) BOARD AND CODE ADMINISTRATION DIVISION

NOTICE OF ACCEPTANCE (NOA)

PRODUCT CONTROL SECTION
11805 SW 26 Street, Room 208
Miami, Florida 33175-2474
T (786) 315-2590 F (786) 315-2599
www.miamidade.gov/economy

MIAMI-DADE COUNTY

Cross Aluminum Products Inc. 1770 Mayflower Road Niles, MI 49120

SCOPE:

This NOA is being issued under the applicable rules and regulations governing the use of construction materials. The documentation submitted has been reviewed and accepted by Miami-Dade County PERA -Product Control Section to be used in Miami Dade County and other areas where allowed by the Authority Having Jurisdiction (AHJ).

This NOA shall not be valid after the expiration date stated below. The Miami-Dade County Product Control Section (In Miami Dade County) and/or the AHJ (in areas other than Miami Dade County) reserve the right to have this product or material tested for quality assurance purposes. If this product or material fails to perform in the accepted manner, the manufacturer will incur the expense of such testing and the AHJ may immediately revoke, modify, or suspend the use of such product or material within their jurisdiction. PERA reserves the right to revoke this acceptance, if it is determined by Miami-Dade County Product Control Section that this product or material fails to meet the requirements of the applicable building code.

This product is approved as described herein, and has been designed to comply with the Florida Building Code, including the High Velocity Hurricane Zone.

DESCRIPTION: Series FLT400 Aluminum Outswing Opaque Doors (Thermally Broken)-L.M.I.

APPROVAL DOCUMENT: Drawing No. 1863, titled "FLT-400 Thermal Aluminum Panel Impact Outswing Door", sheets 1 through 11 of 11, dated SEP 17, 2013, prepared by W. W. Schaefer Engineering,, signed and sealed by Warren W. Schaefer, P.E., bearing the Miami-Dade County Product Control Approval stamp with the Notice of Acceptance number and approval date by the Miami-Dade County Product Control Section.

MISSILE IMPACT RATING: Large Missile Impact Resistant Limitations:

- 1. See table in sheet 1 for Design Pressure Vs. unit Sizes.
- 2. See lock option 1 (3-point Von Duprin SVR Panic exit w/ KR9954 mullion) in sheet 2, the Maximum Design Pressure DP is limited to= ± 60 PSF and Single door is <u>not</u> applicable. See lock option 2 (Dead bolt (grade 1 w/ 1" throw) + Surface bolts in sheet 3. See lock option 3 (2-Point Sargent CVR panic) in sheet 4.

LABELING: Each unit shall bear a permanent label with the manufacturer's name or logo, city, state and series and following statement: "Miami-Dade County Product Control Approved", unless otherwise noted herein.

RENEWAL of this NOA shall be considered after a renewal application has been filed and there has been no change in the applicable building code negatively affecting the performance of this product.

TERMINATION of this NOA will occur after the expiration date or if there has been a revision or change in the materials, use, and/or manufacture of the product or process. Misuse of this NOA as an endorsement of any product, for sales, advertising or any other purposes shall automatically terminate this NOA. Failure to comply with any section of this NOA shall be cause for termination and removal of NOA.

ADVERTISEMENT: The NOA number preceded by the words Miami-Dade County, Florida, and followed by the expiration date may be displayed in advertising literature. If any portion of the NOA is displayed, then it shall be done in its entirety.

INSPECTION: A copy of this entire NOA shall be provided to the user by the manufacturer or its distributors and shall be available for inspection at the job site at the request of the Building Official.

This NOA consists of this page 1 and evidence pages E-1, as well as approval document mentioned above.

The submitted documentation was reviewed by Ishaq I. Chanda, P.E.

(MIAMIDADE COUNTY)

NOA No. 13-0624.06 Expiration Date: September 26, 2018 Approval Date: September 26, 2013

Page 1

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

A. DRAWINGS

- 1. Manufacturer's die drawings and sections.
- 2. Drawing No. 1863, titled "FLT-400 Thermal Aluminum Panel Impact Outswing Door", sheets 1 through 11 of 11, dated SEP 17, 2013, prepared by W. W. Schaefer Engineering, signed and sealed by Warren W. Schaefer, P.E.

B. TESTS

- 1. Test reports on 1) Air Infiltration Test, per FBC, TAS 202-94
 - 2) Uniform Static Air Pressure Test, Loading per FBC TAS 202-94
 - 3) Water Resistance Test, per FBC, TAS 202-94(Not performed)
 - 4) Large Missile Impact Test per FBC, TAS 201-94
 - 5) Cyclic Wind Pressure Loading per FBC, TAS 203-94
 - 6) Forced Entry Test, per FBC 2411 3.2.1, TAS 202-94

Along with marked-up drawings and installation diagram of Alum. Outswing opaque/glazed Entrance Doors, prepared by Architectural Testing, Test Report No. **C7190.01-602-18**, dated 06/03/13, signed and sealed by Shawn G. Collins, P.E.

Note: Clarification letter of SVR panic engagement, dated AUG 28, 2013, issued by Architectural Testing, signed by John Bordagaray, Director, ATI.

C. CALCULATIONS

1. Anchor verification calculations and structural analysis, complying with FBC-2010, prepared by W. W. Schaefer Engineering, dated May 22, 2013 and last revised on AUG 06, 2013, signed and sealed by Warren W. Schaefer, P.E.

D. QUALITY ASSURANCE

1. Miami Dade Department of Regulatory and Economic Resources (RER).

E. MATERIAL CERTIFICATIONS

- 1. Notice of Acceptance No. 11-0926.07 issued to Dyplast Products, LLC, (Former Appache Product Co.) for "Expanded Polystyrene Insulation", expiring on 01/11/17.
- 2. Test report # 61261.01-106-18 dated 01/04/06, issued by Architectural Testing for Polyamide I-strut per ASTMD-2843 and ASTM D635, issued to Technoform Group.
- 3. Tensile test report # ETC-07-1043-2008.0 dated 09/18/07, issued by ETC Laboratories for Strut material, issued to Technoform Group.

F. STATEMENTS

- 1. Statement letter of conformance to FBC 2010 and letter of no financial interest, prepared by W. W. Schaefer Engineering, dated APR 24, 2013, signed and sealed by Warren W. Schaefer, P.E.
- 2. Lab compliance as part of the above referenced test report.

G. OTHER

1. Test proposals # 11-0662-R, dated 02/16/12 approved by PERA.

Ishaq I. Chanda, P.E. Product Control Examiner

NOA No. 13-0624.06

Expiration Date: September 26, 2018 Approval Date: September 26, 2013

GENERAL NOTES:

THESE DOOR SYSTEMS HAVE BEEN TESTED, ANALYZED & APPROVED FOR DESIGN PRESSURES NOT TO EXCEED THOSE SHOWN IN THE "ALLOWABLE DESIGN PRESSURE TABLE(S)".

OPENINGS, BUCKING & BUCKING FASTENERS MUST BE PROPERLY designed & installed to transfer wind loads to the structure. 3. ALL HARDWARE & FASTENERS SHALL BE IN ACCORDANCE WITH THESE DRAWINGS & SHALL NOT VARY UNLESS SPECIFICALLY MENTIONED ON THE DRAWINGS. SPECIFIED ANCHOR EMBED TO BASE MATERIAL SHALL BE BEYOND WALL FINISH OR STUCCO.

4. THE DETAILS & SPECIFICATIONS SHOWN HEREIN REPRESENT THE PRODUCTS TESTED & PROPOSED FOR AIR, IMPACT, CYCLIC & UNIFORM STATIC AIR PRESSURE TESTING IN CONFORMANCE WITH THE FLORIDA BUILDING CODE PROTOCOLS TAS-201, 202 & 203 FOR LARGE MISSILE IMPACT DOORS.

5. THESE DOOR SYSTEMS HAVE BEEN DESIGNED IN ACCORDANCE WITH AND MEET THE REQUIREMENTS OF THE FLORIDA BUILDING CODE (FBC) INCLUDING HIGH VELOCITY HURRICANE ZONES (HVHZ).

IMPACT SHUTTERS ARE NOT REQUIRED WITH THESE DOORS ALL ANCHORS SECURING DOOR FRAME TO PRESSURE TREATED BUCKS OR WOOD FRAMING SHALL BE CAPABLE OF RESISTING CORROSION CAUSED BY THE PRESSURE TREATING CHEMICALS IN THE WOOD.

8. DETERMINE THE POSITIVE & NEGATIVE DESIGN LOADS TO USE WHEN REFERENCING THESE DOCUMENTS IN ACCORDANCE WITH THE GOVERNING CODE AND GOVERNING WIND VELOCITY. FOR WIND LOAD CALCULATIONS IN ACCORDANCE WITH THE FLORIDA BUILDING CODE, A DIRECTIONALITY FACTOR OF Kd = 0.85 MAY BE APPLIED PER THE ASCE-7 STANDARD.

9. NO INCREASE IN ALLOWABLE STRESS HAS BEEN USED IN THE CERTIFICATION OF THIS PRODUCT. WIND LOAD DURATION FACTOR Cd = 1.6 WAS USED FOR WOOD SCREW ANALYSIS ONLY.

10. MATERIALS, INCLUDING BUT NOT LIMITED TO STEEL SCREWS, THAT COME INTO CONTACT WITH OTHER DISSIMILAR MATERIALS SHALL MEET THE REQUIREMENTS OF FLORIDA BUILDING CODE CHAPTER 20.

LOCI	K OPTION REQUIREMENTS			
PANEL TYPE	HARDWARE REQUIRED			
1	DOOR WITH LOCK OPTION 1			
ACTIVE PANEL	3-POINT PANIC LOCK DEVICE (ITEM 31)			
INACTIVE PANEL	3-POINT PANIC LOCK DEVICE (ITEM 31)			
DOOR WITH LOCK OPTION 2				
ACTIVE PANEL	DEAD BOLT (ITEM 35)			
	PASSAGE LOCK (ITEM 36)			
	TOP & BOTTOM SURFACE BOLTS (ITEM 33)			
INACTIVE PANEL	TOP & BOTTOM SURFACE BOLTS (ITEM 33)			
	TOP & BOTTOM FLUSH BOLTS (ITEM 34)			
DOOR WITH LOCK OPTION 3				
ACTIVE PANEL	2-POINT PANIC LOCK DEVICE (ITEM 37)			
	TOP & BOTTOM SURFACE BOLTS (ITEM 33)			
INACTIVE PANEL	TOP & BOTTOM SURFACE BOLTS (ITEM 33)			
NOTES:	ACT AN CHIEFT 44 FOR ACCOUNTANT			

1. SEE PARTS LIST ON SHEET 11 FOR DESCRIPTION OF LOCK ITEMS.

2. ALL MANUAL FLUSH &/OR SURFACE LOCK BOLTS SHALL BE ENGAGED UPON A BUILDING LOCK-DOWN &/OR IN THE EVENT OF A SEVERE STORM THREAT

ALLOWABLE DESIGN	
SIZE/PRESSURE TABLE	

	4			
MAX. FRAME	MAX. FRAME	ALLOWABLE PRESSURE		
WIDTH (IN.)	HEIGHT (IN.)	Positive (PSF)	NEGATIVE (PSF)	
	DOUBLE	DOOR		
91 1/2	97 3/8	60.0	60.0	
81 3/8	97 3/8	(1) 67.5	(1) 67.5	
73 1/4	97 3/8	(1) 75.0	(1) 75.0	
	SINGLE	DOOR		
47 5/8	97 3/8	60.0	60.0	
42 3/8	97 3/8	(1) 67.5	(1) 67.5	
38 1/8	97 3/8	(1) 75.0	(1) 75.0	
(1) DDEC	CHDEC HIC	HED THAN	+/60	

(1) PRESSURES HIGHER THAN +/-60 PSF ARE ONLY APPLICABLE WHEN LOCK OPTION 2 &/OR 3 IS USED. WHEN LOCK OPTION 1 IS USED, ALLOWABLE PRESSURE MAY NOT EXCEED +/-60 PSF REGARDLESS OF DOOR SIZE.

HINGE NOTE

HINGES ARE NOT SHOWN IN THE ELEVATION VIEWS DUE TO THE CHOICE OF THEM BEING CONTINUOUS OR INDIVIDUAL BUTT HINGES. WHEN BUTT HINGES ARE USED, THERE SHALL BE A TOTAL OF 4 WITH EACH DOOR PANEL POSITIONED 7 5/8" FROM BOTH TOP & BOTTOM TO HINGE CENTERLINE & EQUALLY SPACE BETWEEN. SEE APPLICABLE SECTIONS & PARTS LIST FOR ALL HINGE DETAIL

THESE DRAWINGS ARE APPLICABLE ONLY TO THE PRODUCT SPECIFIED. THEY MAY NOT BE USED FOR THE ASSEMBLY AND/OR INSTALLATION OF ANY THEY BE USED FOR RATIONAL AND/OR LOCAL STATED ON THESE DRAWINGS.

OTHER PRODUCT NOR MAY APPROVAL OF ANY
PRODUCT NOT PRODUCED
BY THE MANUFACTURER

VR.W. LOT: 1=16 AIE: 04/11/13

DOOR

OUT-SWING

PANEL IMPACT

ALUMINUM

FLT-400

얼

S ALUMINUM PRODUCTS, I 1770 MAYFLOWER RD. NILES, MI 49120 800-806-3667

CROSS

NOTE: THESE DOOR UNITS ARE NOT APPROVED FOR USE WHERE WATER INFILTRATION RESISTANCE IS REQUIRED BY THE DOOR. UNLESS UNITS ARE INSTALLED IN NON-HABITABLE AREAS WHERE THE UNIT & THE AREA ARE DESIGNED TO ACCEPT WATER INFILTRATION, UNITS SHALL BE INSTALLED ONLY AT LOCATIONS PROTECTED BY A CANOPY OR OVERHANG WHERE-BY THE OVERHANG(OH) RATIO IS EQUAL TO OR MORE THAN 1.0 PER FBC SECTION 1715.5.

FRAME CORNER CONSTRUCTION:

FRAME HEAD: VERTICAL MEMBERS RUN THROUGH WHILE THE HORIZONTAL MEMBERS ARE SQUARE CUT, BUTTED AND MECHANICALLY FASTENED WITH (3) NO. 10 X 1" PHTF THROUGH THE VERTICAL MEMBER INTO THE HORIZONTAL MEMBERS SCREW SPLINES. CORNERS ARE SEALED WITH SILICONE SEALANT.

SILL; VERTICAL MEMBERS RUN THROUGH WHILE THE THRESHOLD IS SQUARE CUT, BUTTED AND SEALED WITH SILICONE SEALANT.

Appl Flori	oved as ear	npaying v Code	itto reis
Date	566.5	6,20	13
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Mla	el Déce i i	1	\$
n.	ألما منحر	1.	وهد وبوسسك

Miller Mill

W. SCHAEFER ENGINEERING
CONSULTING, P.A. (CA 6809)
7480 150TH COURT NORTH
PALM BEACH CARDENS, FL. 33418
PHINNEL S61-744-3424 હ ¥ શ્ર The second SEP 1863 SHEET NO.

OF

<u></u>			
FRAME ANCI	HOR REQUIREMENTS TABLE		
OPENING TYPE (SUBSTRATE)	FRAME & MULLION PLATE TO OPENING FASTENER TYPE	MINIMUM EMBED	MINIMUM EDGE DIST.
PRIMA	RY FRAME SCREWS		
(3) MIN. 2X6 WOOD FRAME OR BUCK (MIN. GR. 2 & G=0.55)	NO. 20 SMS OR WOOD SCREW	1 1/2"	1"
MIN. 16 GA. 50 KSI METAL STUD	5/16" GR. 5 SELF TAP/DRILL SCREW	FULL	5/8"
MIN. 1/8" THK A36 STEEL	5/16" GR. 5 SELF TAP/DRILL SCREW	FULL	5/8"
MIN. 0.100" THK 6063-T5 ALUM.	5/16" GR. 5 SELF TAP/DRILL SCREW	FULL	5/8"
(4) MIN. C-90 CONCRETE FILLED BLOCK	(2) 5/16" CONCRETE SCREW	1 1/2"	2"
MIN. 2500 PSI CONCRETE	(2) 5/16" CONCRETE SCREW	1 3/4"	2"
SILL SCREWS (PRIMARY & SI	ECONDARY) & SECONDARY FRAI	ME SCRE	WS
(3) MIN. 2X6 WOOD FRAME OR BUCK (MIN. GR. 2 & G=0.55)	NO. 14 SMS OR WOOD SCREWS	1 1/2"	3/4" AT SIDES; 1" AT SILL
MIN. 16 GA. 50 KSI METAL STUD	1/4" GR. 5 SELF TAP/DRILL SCREW	FULL	1/2"
MIN. 1/8" THK A36 STEEL	1/4" GR. 5 SELF TAP/DRILL SCREW	FULL	1/2"
MIN. 0.100" THK 6063-T5 ALUM.	1/4" GR. 5 SELF TAP/DRILL SCREW	FULL	1/2"
(4) MIN. C-90 CONCRETE FILLED BLOCK	(1) 1/4" CONCRETE SCREW	1 1/2"	2"
MIN. 3000 PSI CONCRETE	(1) 1/4" CONCRETE SCREW	1 3/4"	2"
MULLION	END PLATE ANCHORS		
MIN. 2500 PSI CONCRETE	(5) EXPANSION ANCHOR WITH 5/16-18 X 1 3/4" MACHINE SCREW	FULL (1 5/8")	2 1/2"

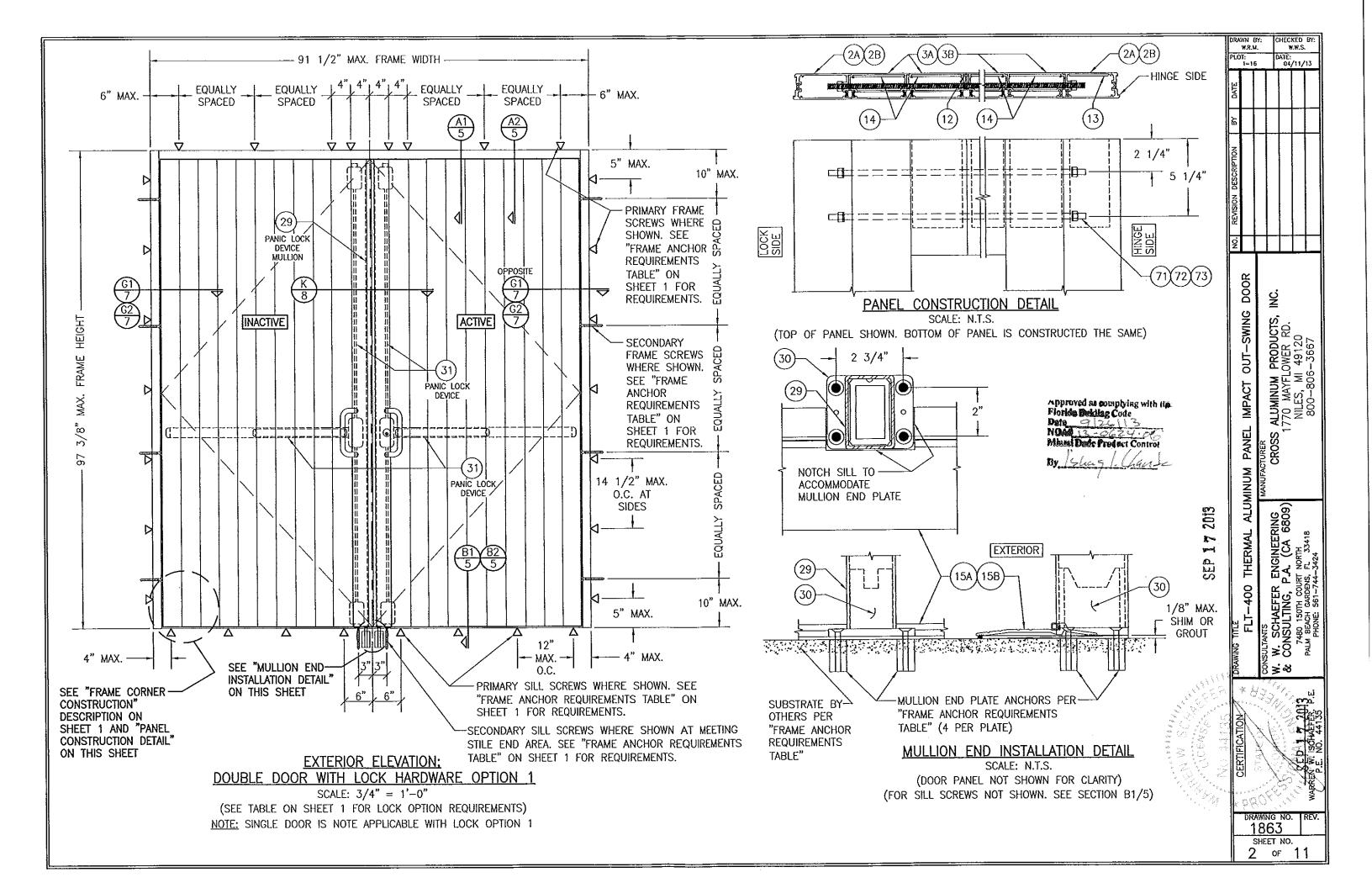
(1) 1/4" CONCRETE SCREWS SHALL BE ELCO ULTRACONS (C.S.), ELCO CRETE-FLEX (S.S.), ITW RAMSET/RED HEAD TAPCONS (C.S. OR S.S.) OR HILTI KWIK-CON II (C.S OR S.S.).

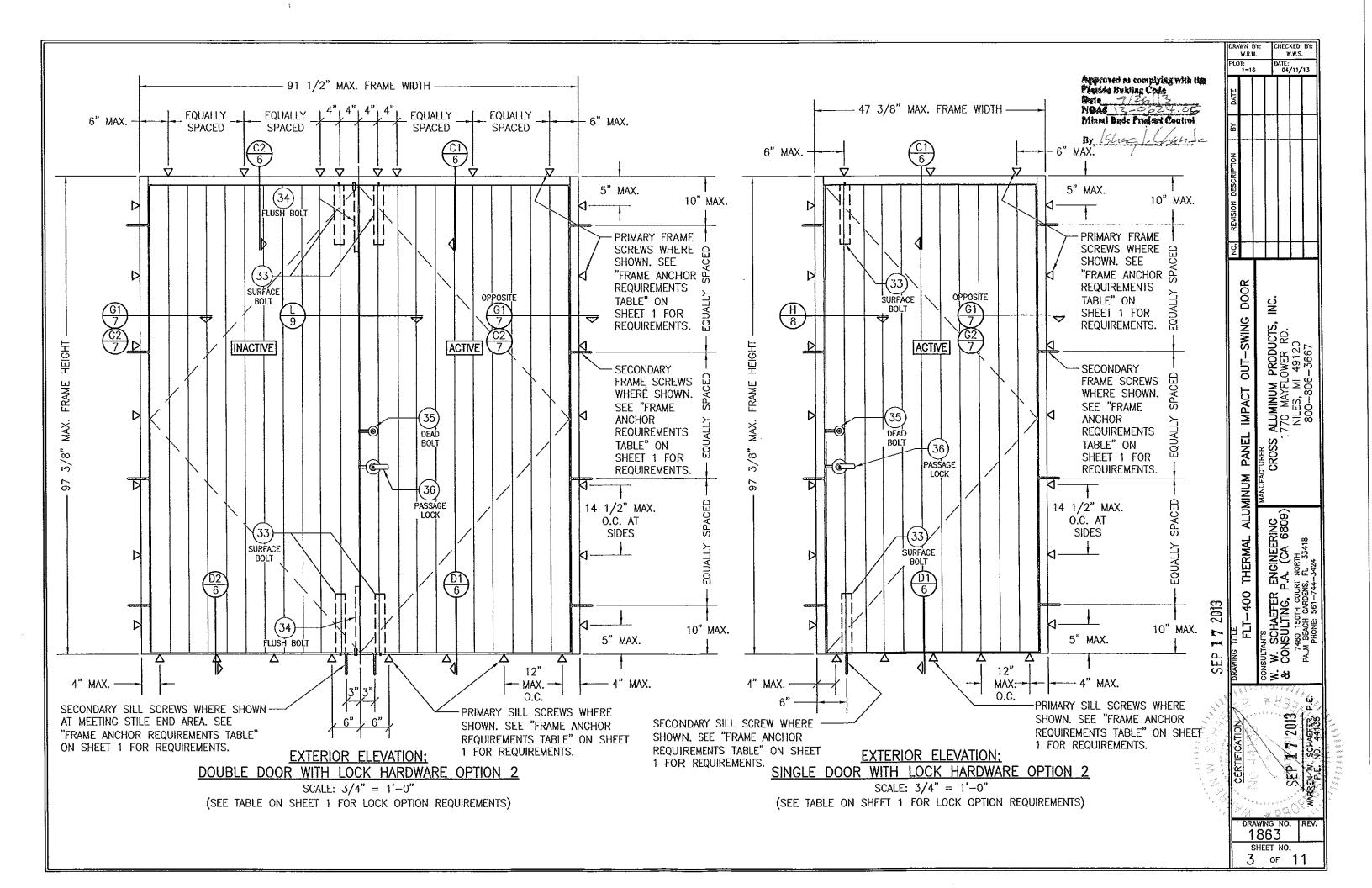
(2) 5/16" CONCRETE SCREWS SHALL BE ELCO ULTRACONS (C.S.)

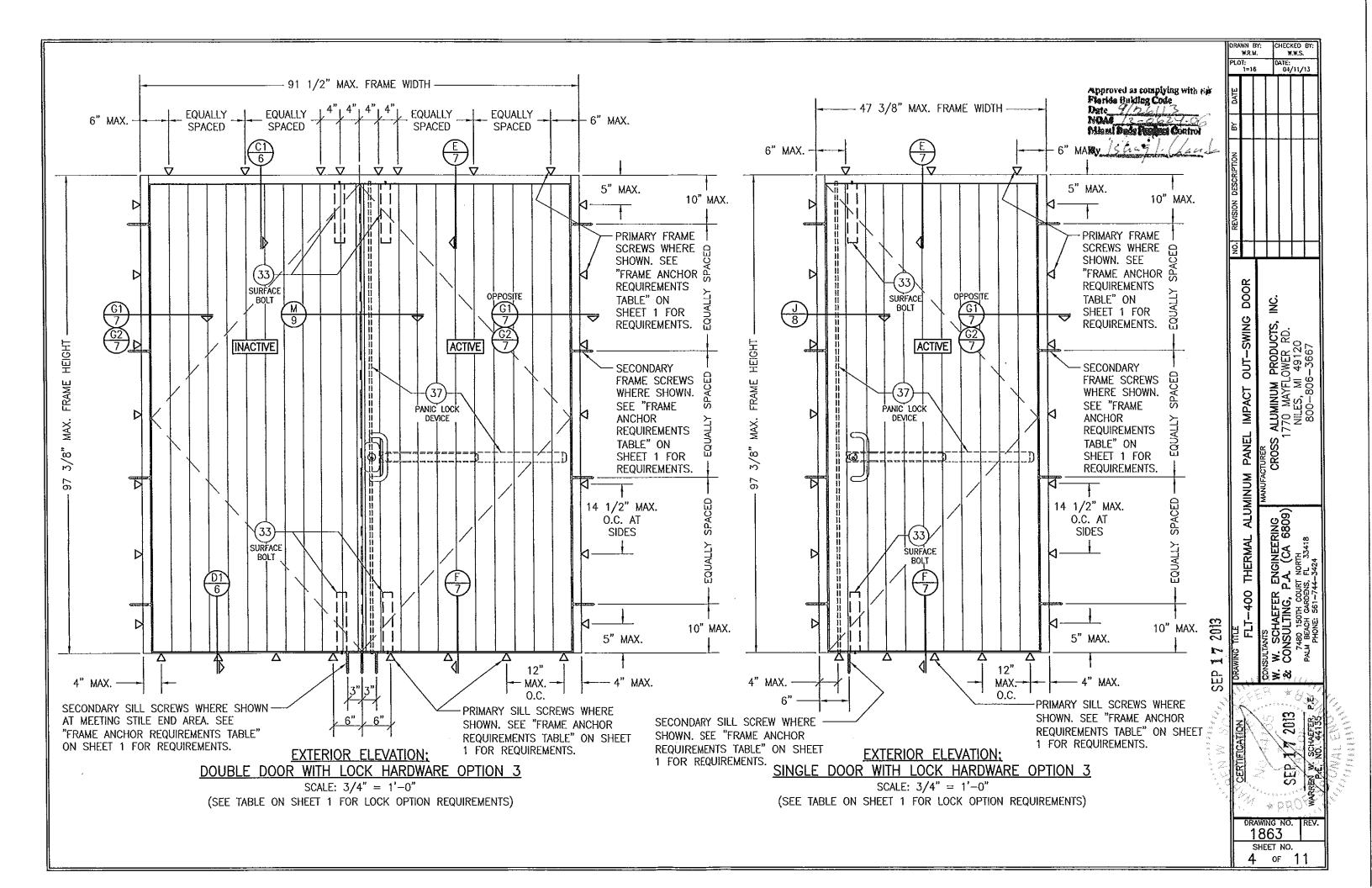
(3) 2X6 BUCKS SHALL BE OF A MINIMUM DEPTH REQUIRED TO MEET ANCHOR EDGE DISTANCE REQUIREMENTS BUT NO LESS THAN 4 1/4".

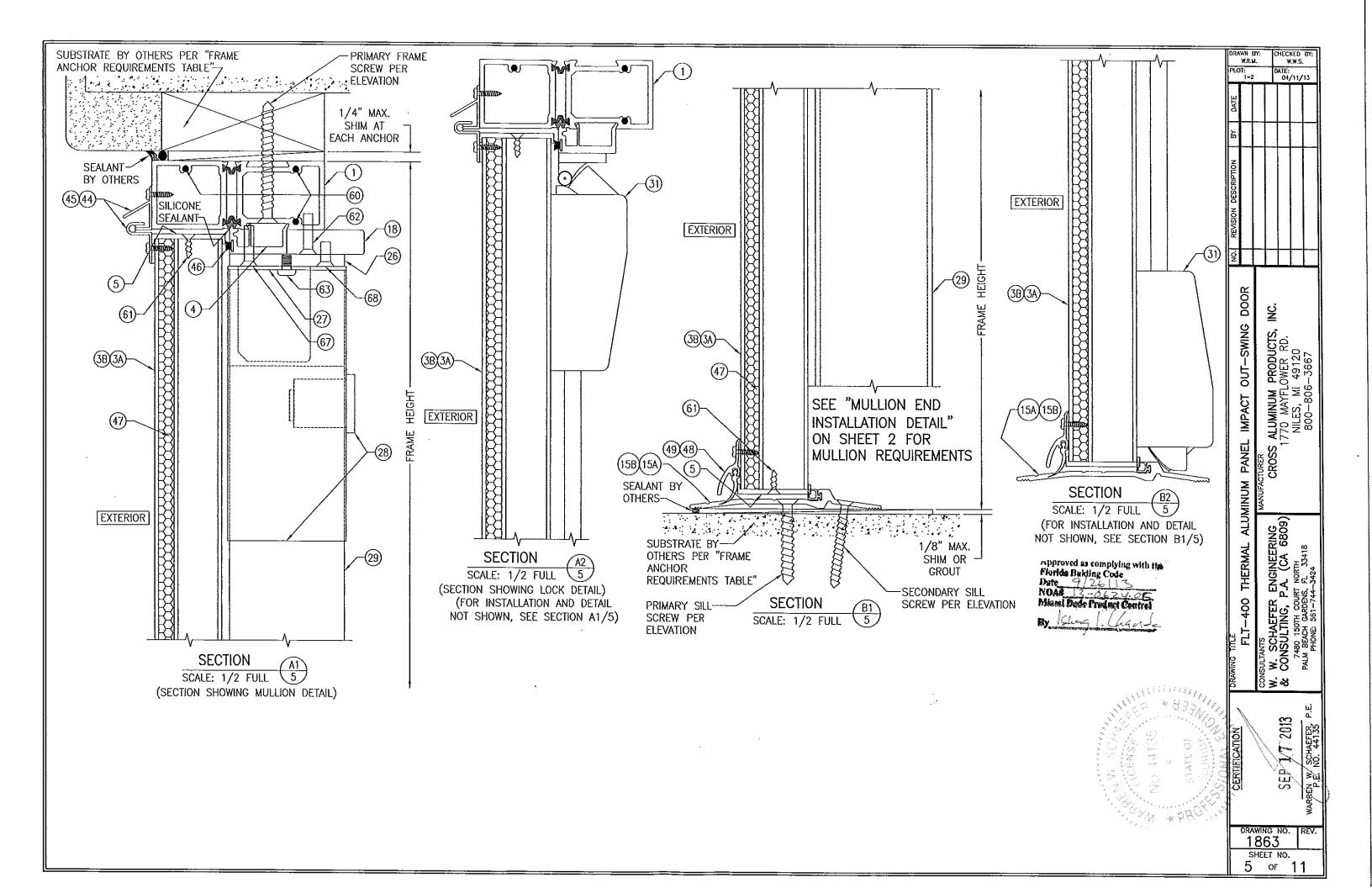
(4) CONCRETE FILLED BLOCK SUBSTRATE IS NOT APPLICABLE AT HEAD AND SILL

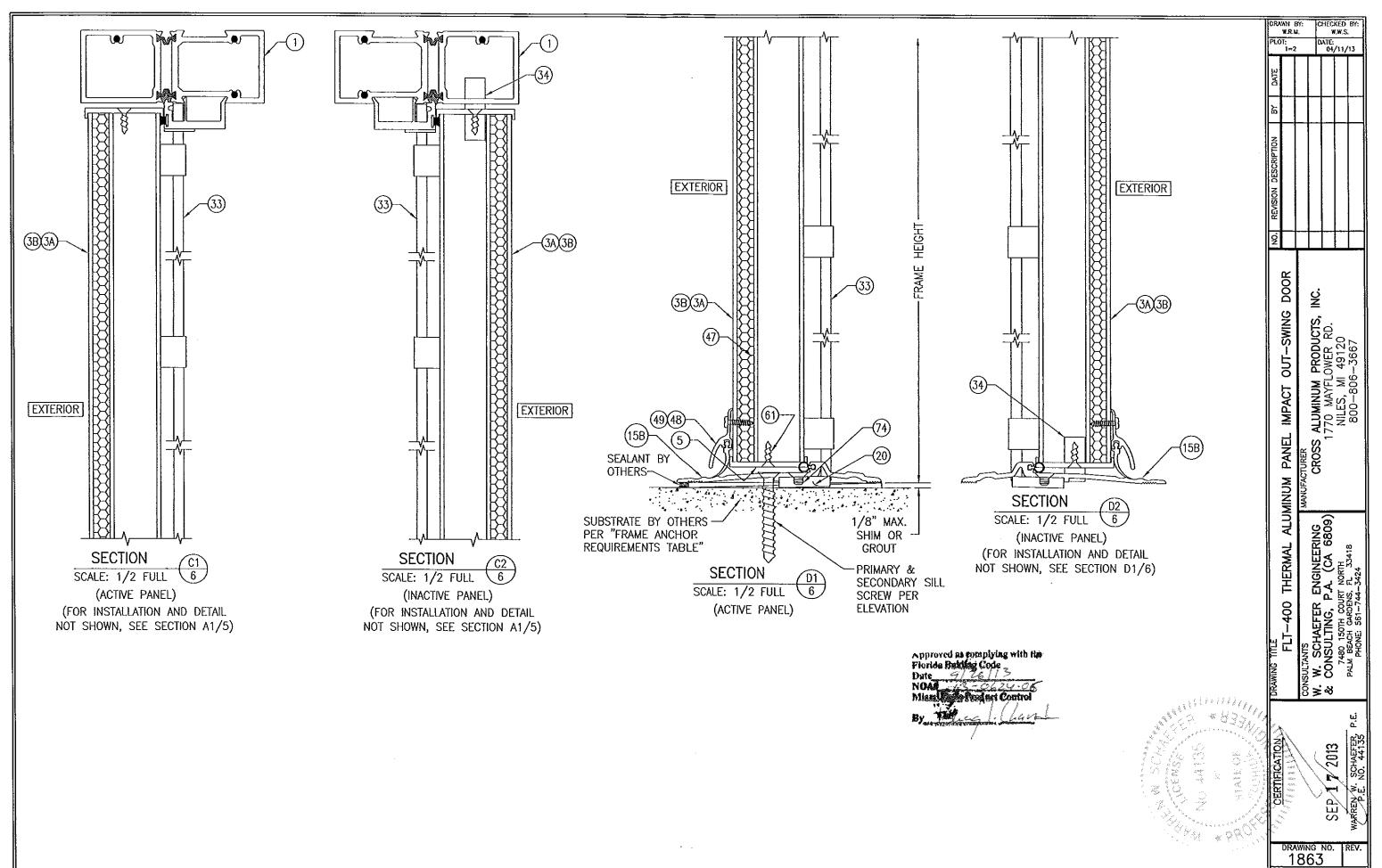
(5) EXPANSION ANCHORS SHALL BE POWERS SINGLE SHELL EXPANSION ANCHOR.



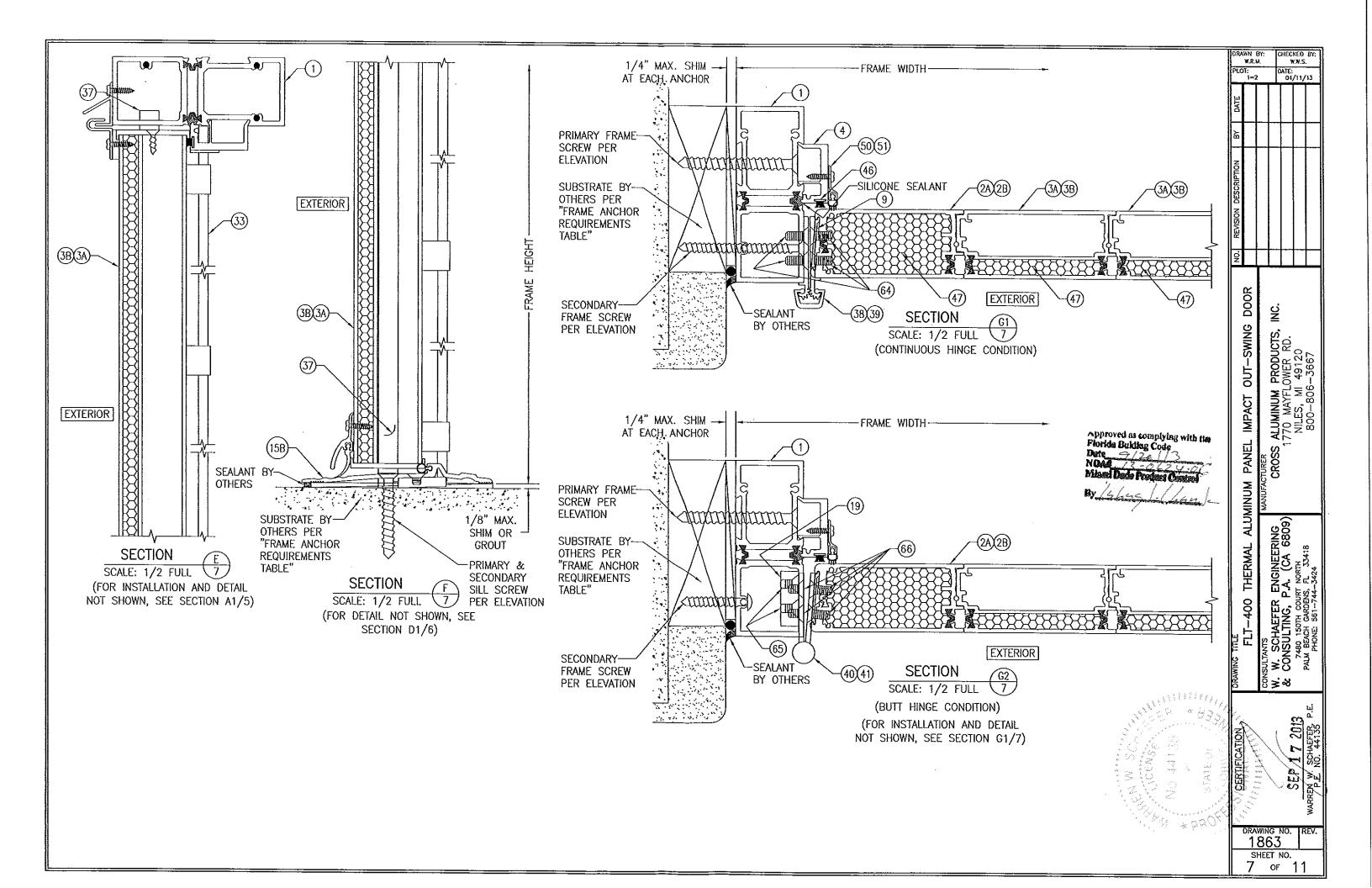


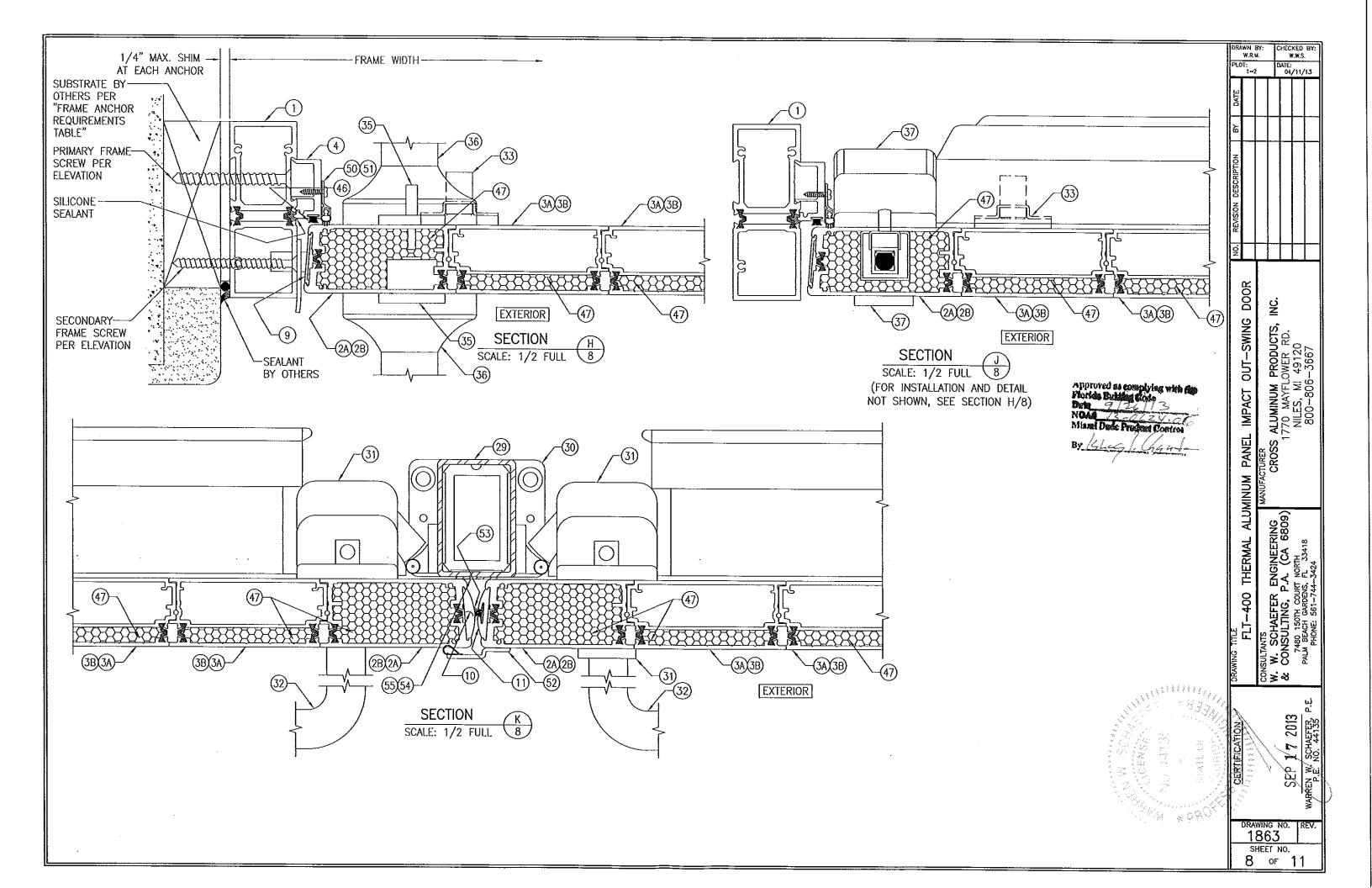


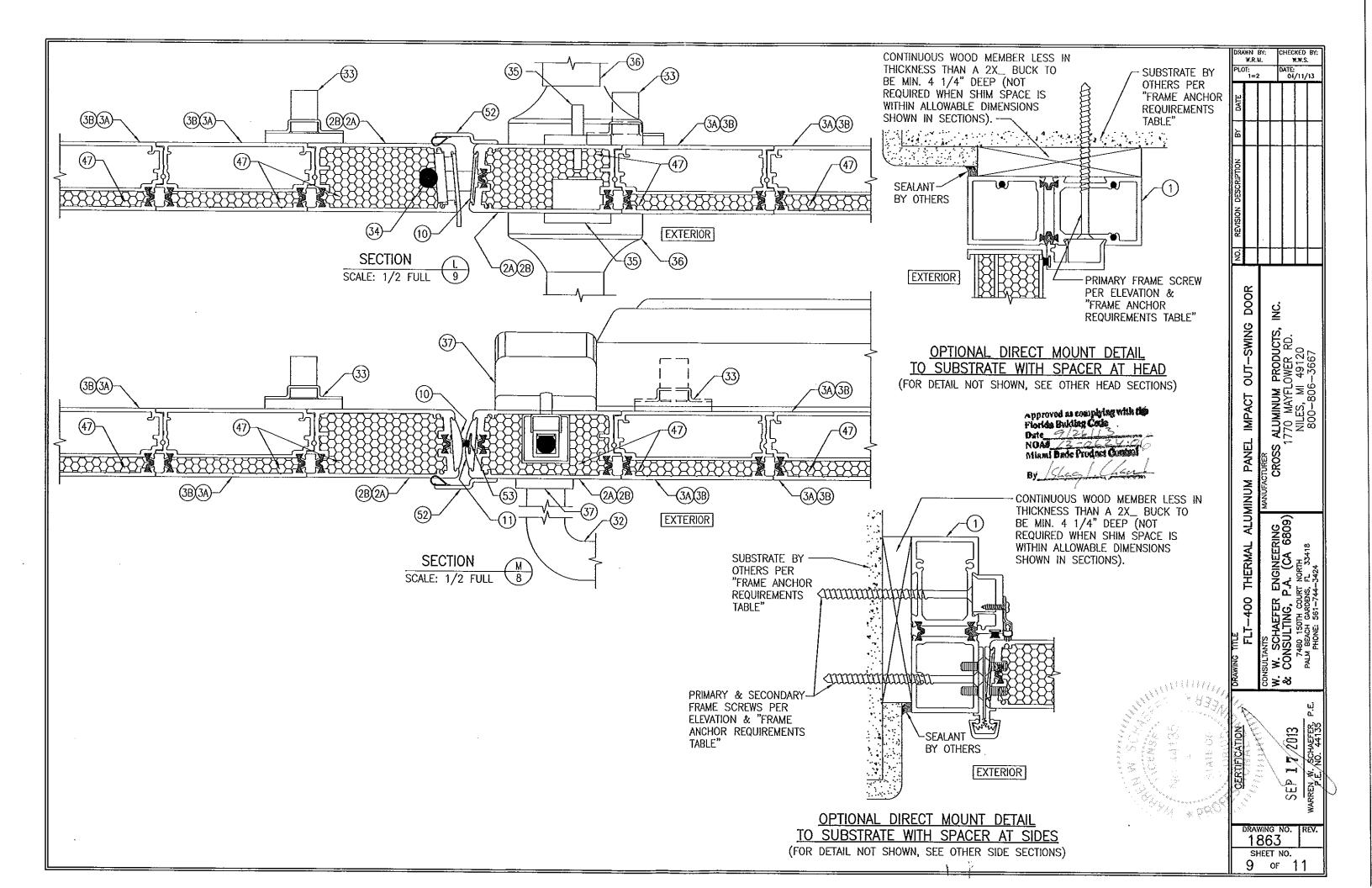


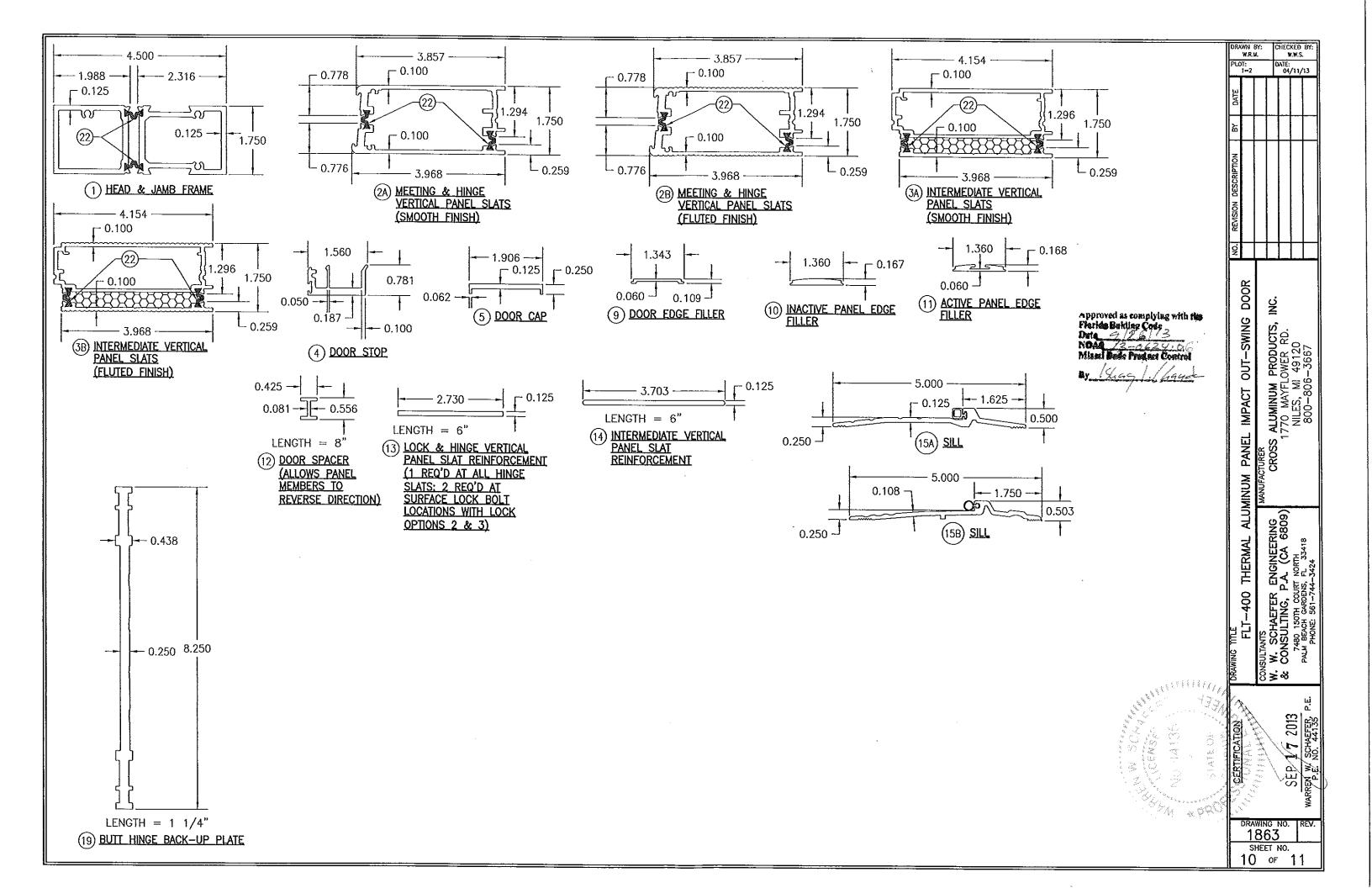


SHEET NO. 6 of 11









ITEM #	ITEM DESCRIPTION	MANUFACTURER/NOTES
<u> </u>	PARTS	1 MATORIOTERY HOLES
1	HEAD & JAMB FRAME	6063-T5 ALUMINUM
2A	MEETING & HINGE VERTICAL PANEL SLATS	6063-T5 ALUMINUM
	(SMOOTH FINISH)	ACOMINON
2B	MEETING & HINGE VERTICAL PANEL SLATS	6063-T5 ALUMINUM
	(FLUTED FINISH)	TO THE MESTING W
3A	INTERMEDIATE VERTICAL PANEL SLATS	6063-T5 ALUMINUM
	(SMOOTH FINISH)	OGG TO ACCIMINATION
3B	INTERMEDIATE VERTICAL PANEL SLATS	6063T5 ALUMINUM
	(FLUTED FINISH)	To recommend
4	DOOR STOP	6063-T5 ALUMINUM
5	DOOR CAP	6063-T5 ALUMINUM
9	DOOR EDGE FILLER	6063-T5 ALUMINUM
10	INACTIVE PANEL EDGE FILLER	6063-T5 ALUMINUM
11	ACTIVE PANEL EDGE FILLER	6063-T5 ALUMINUM
12	DOOR SPACER (ALLOWS PANEL MEMBERS TO	6063-T5 ALUMINUM
	REVERSE DIRECTION; 1 PER TOP & BOTTOM	
	OF EACH PANEL)	
13	LOCK & HINGE VERTICAL PANEL SLAT	6063-T5 ALUMINUM
	REINFORCEMENT (1 REQ'D AT ALL HINGE SLATS;	To the Madminton
	2 REQ'D AT SURFACE LOCK BOLT LOCATIONS WITH	
	LOCK OPTIONS 2 & 3)	
14	INTERMEDIATE VERTICAL PANEL SLAT REINFORCEMENT	6063-T5 ALUMINUM
15A	SILL	PEMKO 2005T (6063-T5 ALUMINUM)
15B	SILL	NATIONAL GUARD 896V (6063-T5 ALUMINUM)
18	MULLION TOP MOUNTING PLATE	6061-T6 ALUMINUM
	3" X 2" X 5/8" THICK	
19	BUTT HINGE BACK-UP PLATE	6061-T6 ALUMINUM
20	1/4" X 1 1/4" X 14" LONG FLAT BAR	6061-T6 ALUMINUM
	AT CENTER LINE OF SILL	
22	INSULBAR	TECHNOFORM POLYMIDE 66
	HARDWARE	
25	REMOVABLE MULLION ASSEMBLY (LOCK OPTION 1)	VON DUPRIN KR9954 (USED WITH ITEM 31)
26	TOP MULLION PLATE	SUPPIED WITH PART ITEM 25 (ALL A36 STEEL)
27	TOP MULLION PLATE FUSIBLE SPACER)
28	LOCKING MULLION PLATE	
29	3" X 2" X 1/8" TUBE MULLION	
30	BOTTOM MULLION PLATE	
31	3-POINT SURFACE VERTICAL ROD PANIC LOCK	VON DUPRIN 9957NL-OP & 9957EOV 299F
	DEVICE (LOCK OPTION 1)	
32	PUSH-PULL HANDLE WITH LOCK OPTIONS 1 & 3	AS REQ'D WITH ITEM 31
. 33	TOP & BOTTOM SURFACE BOLTS	HAGAR 276D
34	TOP & BOTTOM FLUSH BOLTS	HAGAR 282
35	DEAD BOLT (LOCK OPTION 2)	SARGENT 28-487
36	PASSAGE LOCK (LOCK OPTION 2)	SARGENT 28-10G05-LL
37	2-POINT CONCEALED VERTICAL ROD PANIC LOCK	SARGENT MD8600
	DEVICE (LOCK OPTION 3)	<u>L_</u> .
38	CONTINUOUS GEAR HINGE	HAGAR 780-111HD (ALUMINUM)
39	CONTINUOUS GEAR HINGE	SELECT PRODUCTS SL-18-HD (ALUMINUM)
39 40	CONTINUOUS GEAR HINGE BUTT HINGE 4 1/2" X 4 1/2" BUTT HINGE 4 1/2" X 4 1/2"	SELECT PRODUCTS SL-18-HD (ALUMINUM) HAGAR BB-1199 (BRASS OR S.S.)

ITEM #	ITEM DESCRIPTION	MANUFACTURER/NOTES	DRAWN W.R.
SEALS & SEALANTS		PLOT: 1=2	
44	HEAD SEAL USED WITH LOCK OPTIONS 1 & 3	PEMKO 347_68R (ALUMINUM)	
45	HEAD SEAL USED WITH LOCK OPTIONS 1 & 3	NATIONAL GUARD 123NAX124A (ALUMINUM)	DATE
46	PILE SEAL	ULTRAFAB, INC. F-PILE	
47	RIGID FOAM INSULATION	CROSS (POLYISOCYANURATE)	ե
48	BOTTOM DOOR SWEEP	PEMKO 345_V (ALUMINUM WITH VINYL SEAL)	╟╂─
49	BOTTOM DOOR SWEEP		8
		WITH VINYL SEAL)	E C
50	PERIMETER GASKET	PEMKO 306_V (ALUMINUM WITH VINYL SEAL)	REVISION DESCRIPTION
51	PERIMETER GASKET	NATIONAL GUARD 190_V (ALUMINUM)	z
· .	·	WITH VINYL SEAL	SS
52	ASTRAGAL	NATIONAL GUARD 178SA (ALUMINUM	8
	· ·	WITH SILICONE SEAL)	Š
53	PILE SEAL	ULTRAFAB, INC. D-PILE	اللَّكُ
54	SELF ADHESIVE GASKET	PEMKO 5110 (NEOPRENE/SILICONE)	1
55	SELF ADHESIVE GASKET	NATIONAL GUARD 5100S (NEOPRENE/SILICONE)	
	FASTENERS		DOOR
60	NO. 10 X 1" PHTF SCREW	3 PER HEAD TO JAMB CORNER INTO SCREW SPLINE	15
61	NO. 6 X 5/8" FHTF SCREW	THROUGH DOOR CAP INTO PANEL SLAT SCREW SPLINES	OUT-SWING
62	1/4-20 X 1" FHM SCREW	4 PER ITEM 18	<u>Ş</u>
63	1/4-20 X 3/8" PHM SCREW	2 PER ITEM 27	
64	1224 X 5/8" FHM SCREW	2 9/16" FROM ENDS & 5 1/8" MAX. O.C.	ಠ
65	12-24 X 5/8" FHM SCREW	4 PER ITEM 19	5
66	12-24 X 3/8" FHM SCREW	4 PER BUTT HINGE ITEMS 40 & 41	IMPACT
67	5/16-18 X 1 1/4" FHM SCREW	2 PER ITEM 26	I≡
68	5/16-18 X 5/8" FHM SCREW	2 PER ITEM 26	
71	3/8-16 ALL THREAD	PER PANEL CONSTRUCTION DETAIL ON SHEET 2	PANEL
72	3/8 LOCK WASHER]	
73	3/8-18 HEAVY DUTY NUT		UMINUM
74	12-24 X 1/4" FHM SCREW	4 PER ITEM 20	Ιź

Approved as complying with the Florida Building Code
Date SEP 2013
NOAS 3-06-9-06
Minmi Dada Proposi Control

CONSULTANTS

W. W. SCHAEFER ENGINEERING

& CONSULTING, P.A. (CA 6809)

7480 150TH COURT NORTH
PALM BEACH GARDENS, FL. 33418 DRAWING TITLE
FLT—400 THERMAL ALL SEP 17 2013

MANUFACTURER
CROSS ALUMINUM PRODUCTS, INC.
1770 MAYFLOWER RD.
NILES, MI 49120
800-806-3667

CHECKED BY: W.W.S. DATE: 04/11/13

DRAWING NO. REV 1863 SHEET NO. 11 OF 11